

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

BRAM

To:
INTERNATIONAAL OCTROOIBUREAU B.V.
Attn. Dusseldorp, Jan C.
Prof. Holstlaan 6
NL-5656 AA Eindhoven
NETHERLANDS

UPVE

Date of mailing
(day/month/year) 24/09/2003

Applicant's or agent's file reference
PHUS010528W0

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/IB 02/03933

International filing date
(day/month/year) 24/09/2002

Applicant
KONINKLIJKE PHILIPS ELECTRONICS N.V.

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the International application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90*bis*.1 and 90*bis*.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

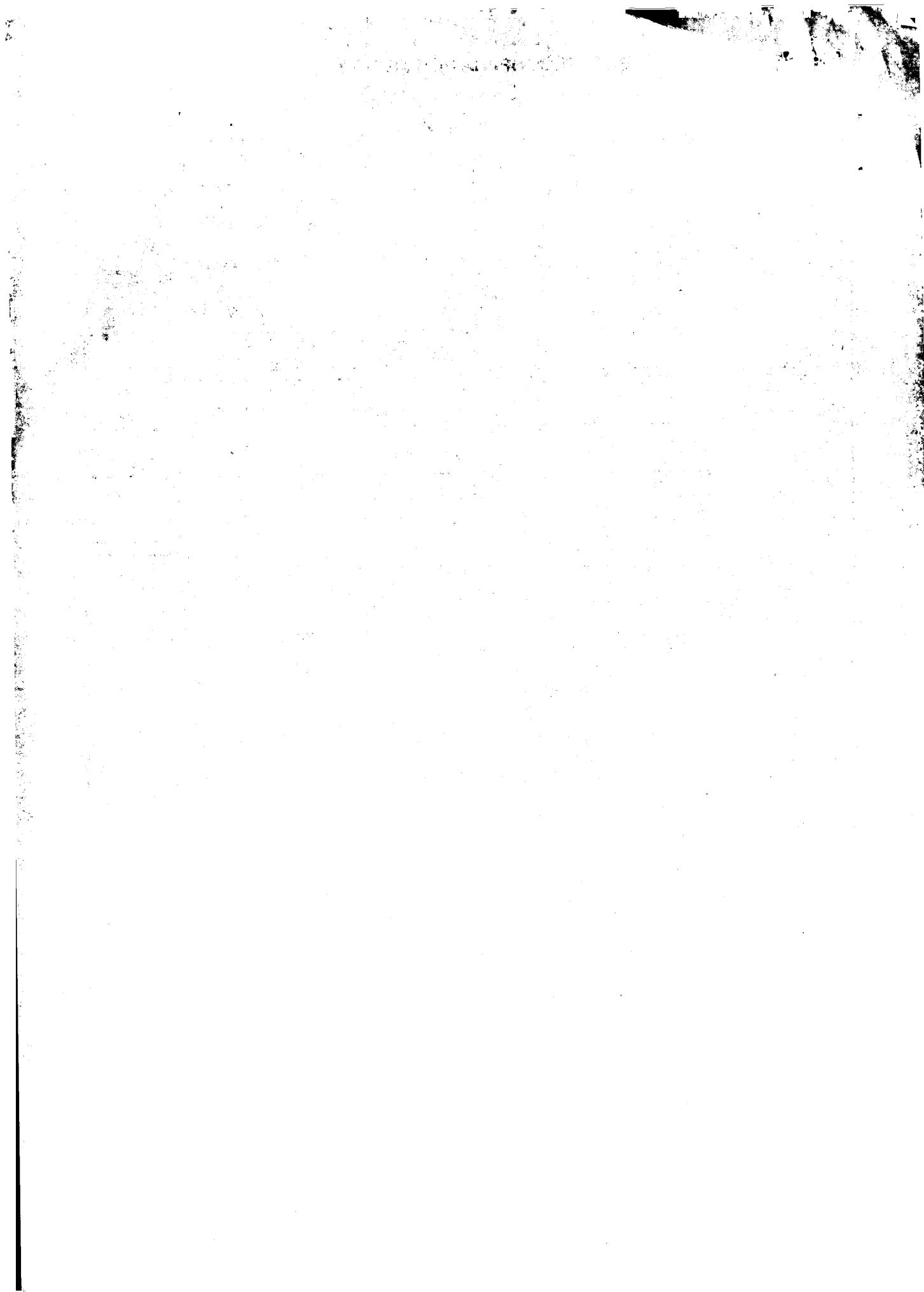
Name and mailing address of the International Searching Authority



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Authorized officer

Gennaro Cappiello



PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PHUS010528W0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 02/ 03933	International filing date (day/month/year) 24/09/2002	(Earliest) Priority Date (day/month/year) 22/10/2001
Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

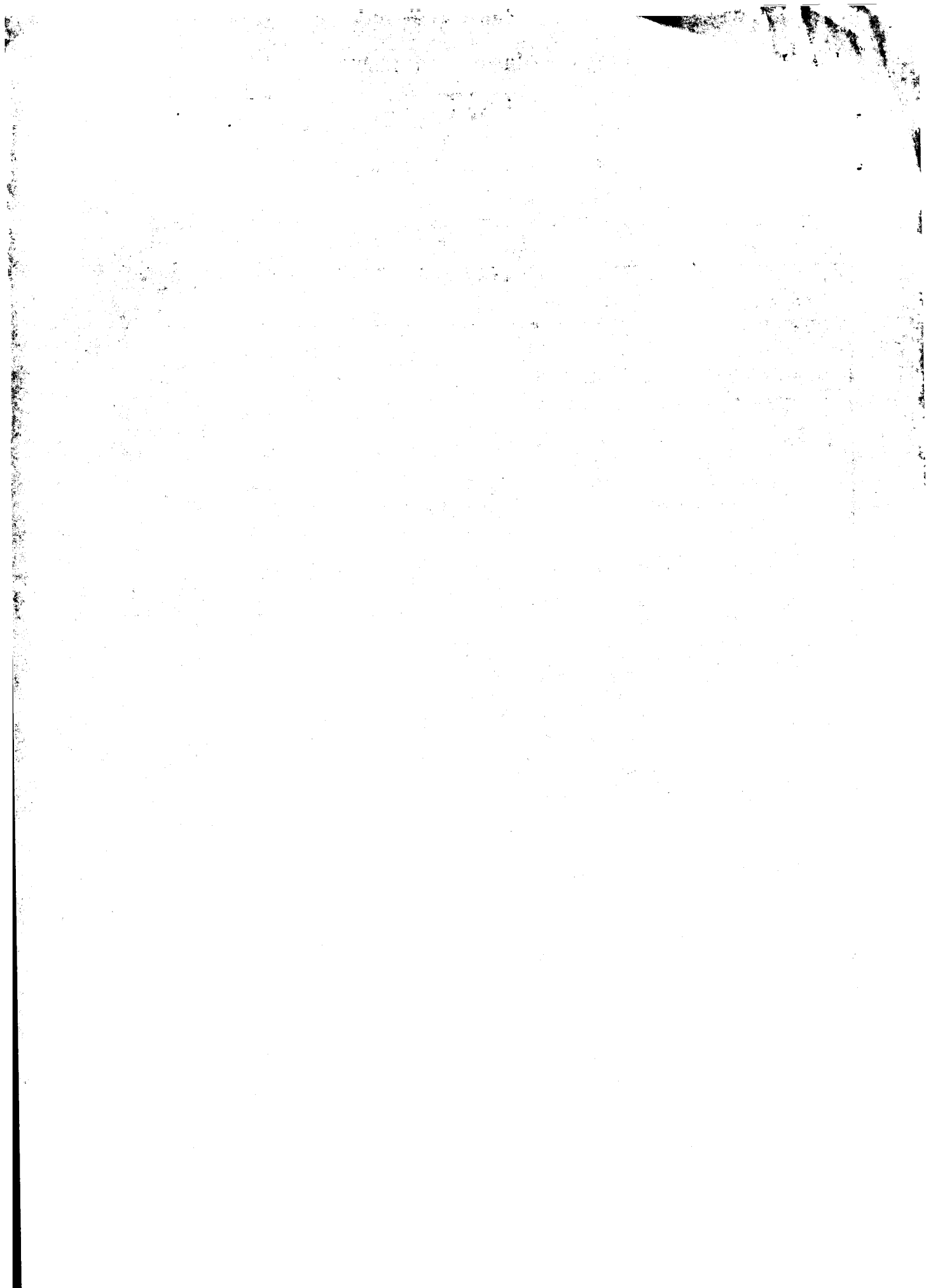
☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1

☐ None of the figures.



INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/03933

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L25/075

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	✓ EP 1 103 759 A (TOYODA GOSEI KK) 30 May 2001 (2001-05-30) paragraphs '0043!-'0061! ----	1-10
X	✓ EP 0 560 605 A (SHARP KK) 15 September 1993 (1993-09-15) column 3, line 11 -column 4, line 12 ----	1-4, 7-9
X	✓ DE 89 15 156 U (ELCOS GMBH) 26 April 1990 (1990-04-26) page 2; figures 5,6 ----	1, 2, 7-9
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 230 (E-1208), 27 May 1992 (1992-05-27) & JP 04 044368 A (TOSHIBA CORP), 14 February 1992 (1992-02-14) abstract ----- -/--	1, 2, 7-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

17 September 2003

Date of mailing of the international search report

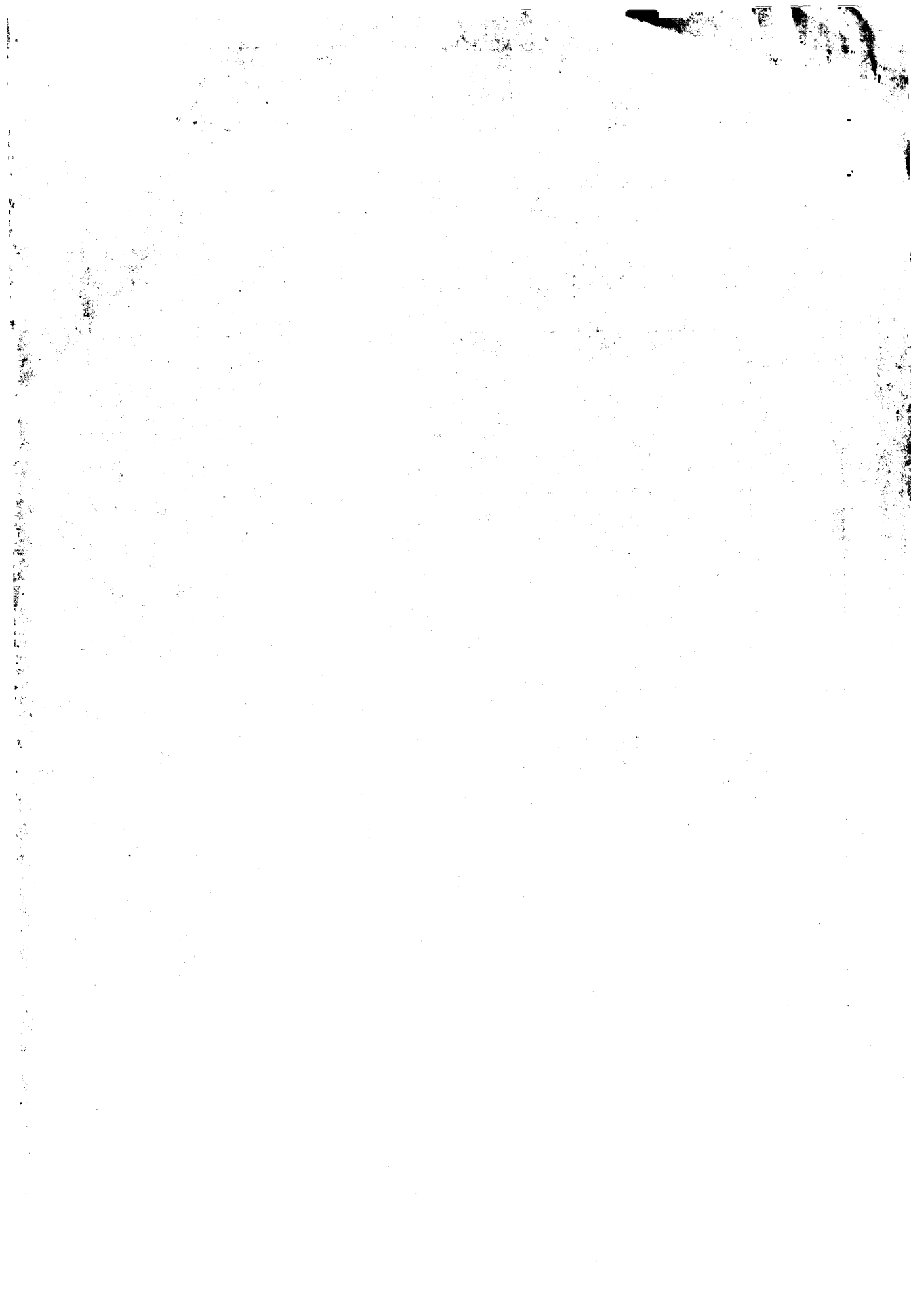
24/09/2003

Name and mailing address of the ISA

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Authorized officer

van der Linden, J.E.



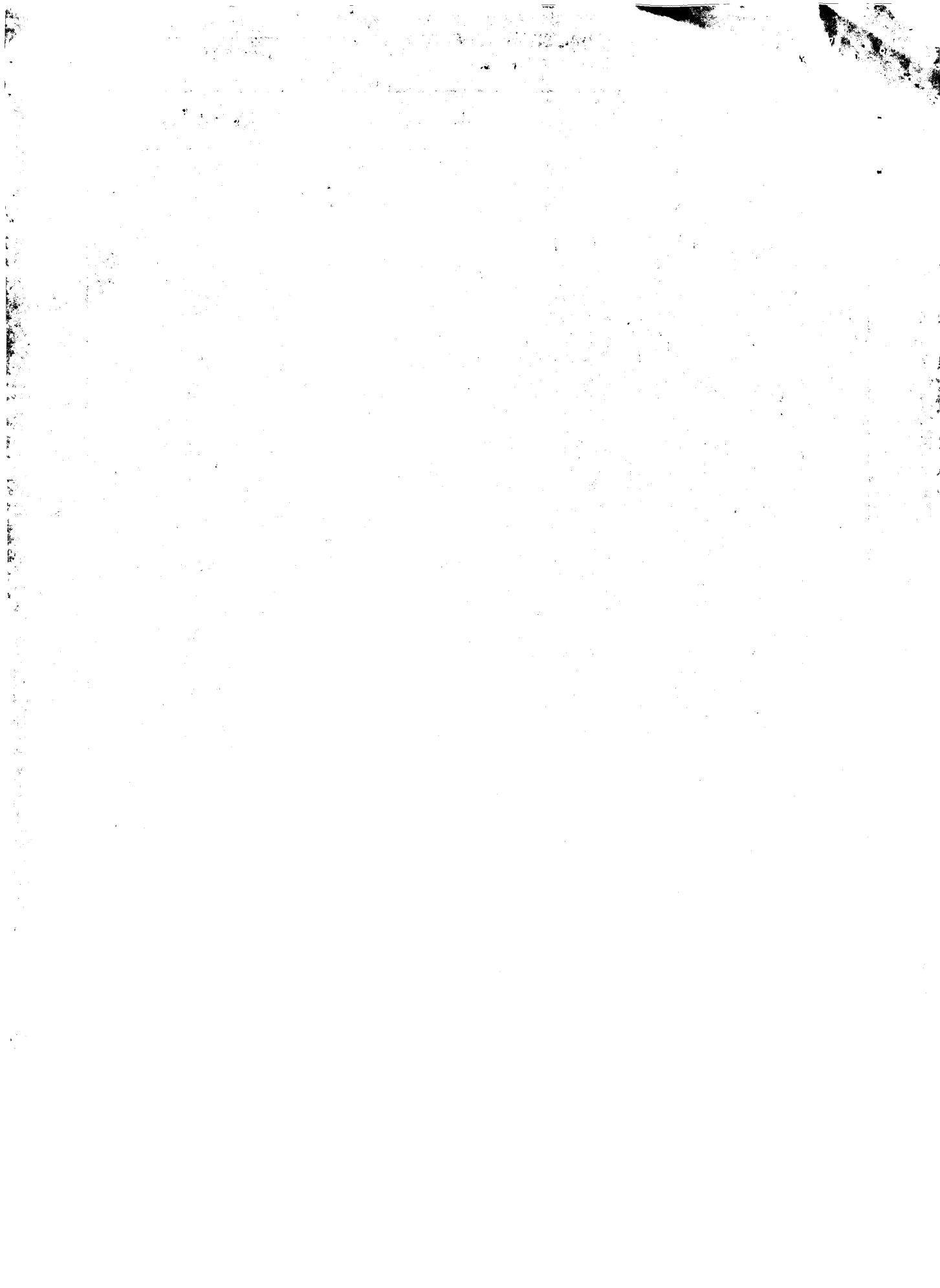
INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/03933

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 113 (E-1514), 23 February 1994 (1994-02-23) -& JP 05 308477 A (ROHM CO LTD), 19 November 1993 (1993-11-19) abstract; figures 1-5 ----	1,2,7-9
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 300 (P-745), 16 August 1988 (1988-08-16) -& JP 63 074025 A (TOSHIBA CORP), 4 April 1988 (1988-04-04) abstract; figures 1,2 ----	1,2,7-9
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 287 (E-643), 5 August 1988 (1988-08-05) & JP 63 064373 A (TOSHIBA CORP), 22 March 1988 (1988-03-22) abstract ----	1,2,7-9
X	DE 196 21 148 A (MAGNA REFLEX HOLDING) 4 December 1997 (1997-12-04) column 3, line 36-68 ----	1,7-9
X	PATENT ABSTRACTS OF JAPAN vol. 006, no. 226 (E-141), 11 November 1982 (1982-11-11) -& JP 57 128085 A (SANYO DENKI KK), 9 August 1982 (1982-08-09) abstract; figures 1,2E -----	1,7-9



INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 02/03933

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1103759	A	30-05-2001	JP 2001143516 A	25-05-2001
			JP 2001326389 A	22-11-2001
			EP 1103759 A2	30-05-2001
			US 6540377 B1	01-04-2003
			TW 483180 B	01-04-2002
EP 0560605	A	15-09-1993	JP 3025109 B2	27-03-2000
			JP 5316296 A	26-11-1993
			DE 69316055 D1	12-02-1998
			DE 69316055 T2	02-07-1998
			EP 0560605 A1	15-09-1993
			US 5418384 A	23-05-1995
DE 8915156	U	26-04-1990	DE 8915156 U1	26-04-1990
JP 04044368	A	14-02-1992	NONE	
JP 05308477	A	19-11-1993	NONE	
JP 63074025	A	04-04-1988	JP 2515305 B2	10-07-1996
JP 63064373	A	22-03-1988	NONE	
DE 19621148	A	04-12-1997	NL 1003152 C1	18-11-1997
			DE 19621148 A1	04-12-1997
JP 57128085	A	09-08-1982	NONE	

